

Real-Time COAST Visualization and Collaboration, Phase I

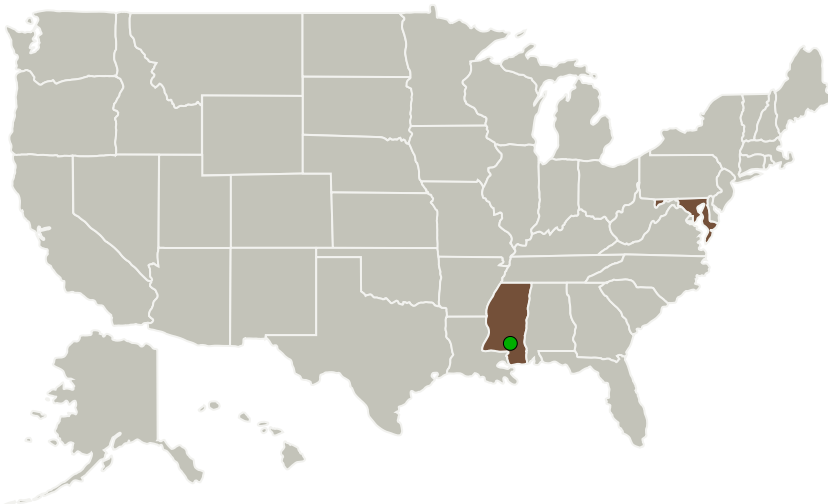
Completed Technology Project (2011 - 2011)



Project Introduction

Much of the earth science research data available is shared across departments and agencies and often made available to the public. But sharing isn't enough. As federal organizations increasingly consult one another for expertise, the need for functional platforms that foster collaboration becomes vital. The proposed innovation aims to develop the tools for open source geobrowsers, specifically: COAST (Coastal On-line Assessment and Synthesis Tool) and NASA's World Wind Java (WWJ), to communicate over local networks and the Internet to create a real collaborative experience over computer desktops, greatly increasing the quality of the decision support tools available to government agencies and emergency management, especially when it is most needed: just after a disaster has struck. The ultimate objective would be to develop a fully interoperable virtual "geo-collaboration environment" of software and hardware that delivers accurate information on emerging situations while collaborating with distributed partners, advisors, specialists and authorities in various jurisdictions.

Primary U.S. Work Locations and Key Partners



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Organizations Performing Work	Role	Type	Location
StormCenter Communications, Inc.	Lead Organization	Industry	Baltimore, Maryland
● Stennis Space Center(SSC)	Supporting Organization	NASA Center	Stennis Space Center, Mississippi

Primary U.S. Work Locations	
Maryland	Mississippi

Project Transitions

▶ **February 2011:** Project Start

✓ **September 2011:** Closed out

Closeout Documentation:

- Final Summary Chart(<https://techport.nasa.gov/file/140669>)

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Organization:

StormCenter Communications, Inc.

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

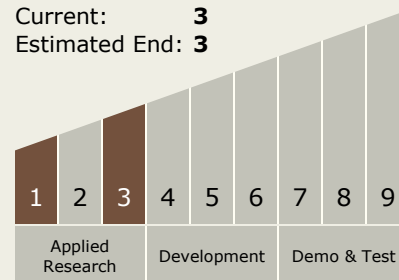
Rafael Ameller

Technology Maturity (TRL)

Start: **1**

Current: **3**

Estimated End: **3**



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Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
 - └ TX11.4 Information Processing
 - └ TX11.4.2 Intelligent Data Understanding

Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System